



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 20 79 92 63

Classification of the application (IPC):

G01S 13/56, G01S 13/86, G01S 17/02, G01S 17/66, G01S 13/34, G01S 13/50

Technical fields searched (IPC):

G01S

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	US 2019049570 A1 (XIONG ZIYOU [US] ET AL) 14 February 2019 (2019-02-14) * paragraphs [0003], [0007], [0020], [0032], [0052], [0058], [0060]; figure 7 *	1-10
A	EP 1160751 A1 (ABB PATENT GMBH [DE]) 05 December 2001 (2001-12-05) * paragraph [0016]; figure 2 *	4, 5, 9, 10
A	WO 2018077846 A1 (DELTA DORE [FR]) 03 May 2018 (2018-05-03) * page 9, line 23 - page 10, line 24; figure 4 *	1, 10
A	US 2009303100 A1 (ZEMANY PAUL D [US]) 10 December 2009 (2009-12-10) * paragraphs [0013], [0014] *	5, 10
A	US 2016170017 A1 (HO CHIEN-TING [TW] ET AL) 16 June 2016 (2016-06-16) * paragraphs [0002], [0008], [0037]; figure 4 *	1, 10

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search Munich	Date of completion of the search 28 July 2023	Examiner Kirscher, Jérôme
---------------------------	--	------------------------------

CATEGORY OF CITED DOCUMENTS

- | | |
|---|--|
| X: particularly relevant if taken alone | P: intermediate document |
| Y: particularly relevant if combined with another document of the same category | T: theory or principle underlying the invention |
| A: technological background | E: earlier patent document, but published on, or after the filing date |
| O: non-written disclosure | D: document cited in the application |
| & : member of the same patent family, corresponding document | L: document cited for other reasons |

Disclaimer: this document has been automatically generated using data structured in accordance with WIPO standard ST.36 from the database of search reports of the European Patent Office. For technical reasons, its content and layout may differ from that of the original publication. Only the original published information is legally binding.



ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 20 79 92 63

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 28-07-2023
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2019049570 A1	14-02-2019	CN 108700655 A	23-10-2018
		EP 3414595 A1	19-12-2018
		US 2019049570 A1	14-02-2019
		WO 2017139215 A1	17-08-2017
EP 1160751 A1	05-12-2001	DE 10024778 A1	22-11-2001
		EP 1160751 A1	05-12-2001
WO 2018077846 A1	03-05-2018	EP 3529632 A1	28-08-2019
		FR 3057994 A1	27-04-2018
		WO 2018077846 A1	03-05-2018
US 2009303100 A1	10-12-2009	EP 1946146 A2	23-07-2008
		US 2009303100 A1	10-12-2009
		WO 2007047419 A2	26-04-2007
US 2016170017 A1	16-06-2016	NONE	